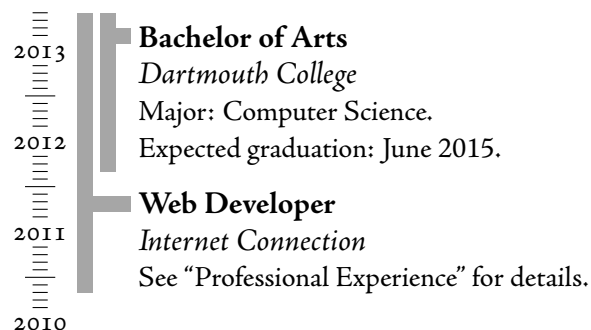


TIMELINE



PROFESSIONAL EXPERIENCE

After high school, I took a year off and began working at Internet Connection, a web development/hosting company in Maryland. As the sole programmer on the team, I solved technical problems for clients ranging from the Maryland Department of Natural Resources to small businesses looking to build a web presence for the first time.

The majority of my work consisted of building websites for small businesses with WordPress. I built and modified WordPress plugins and themes to meet each client's needs.

A substantial portion of my work involved maintaining and extending websites built with Perl and CGI. As a result, I became experienced with "low-level" web development, explicitly managing cookies and HTTP.

Additionally, I created a backup system for all of our hosting accounts and set up a git server so that all internal projects are stored in a central version control system. I also worked with the sysadmins to automate routine server maintenance tasks.

Before heading off to college, I decided to leave Internet Connection and travel for a few months. Upon my return, the company hired me again as a contractor, a job which I still hold today.

FEATURED PROJECTS

Strindberg

strindberg.in

An online document editor built with Meteor and pandoc. Write in any markup language you like; render to any output format you need. Documents are preserved as you type in a custom version control system built inside of MongoDB. Winner of Hack-Princeton 2012.

Grimoire

grimoire.in

A web app which turns websites into eBooks. It can send a weekly digest of your favorite blog or RSS feed to your Kindle on a recurring basis. I use it to read my unread Pinboard bookmarks on my Kindle every week. Built with Django, pandoc, Calibre, and python-readability.

SKILLS

EXPERT

Python

ADVANCED

Django, Ruby, JavaScript

INTERMEDIATE

Rails, Meteor, Flask, Android, HTML5, \LaTeX

BASIC

Go, Haskell, C, Perl, MongoDB, SQL, Ember.js, Clojure

OTHER ENDEAVOURS

spoken languages – English (native), Swedish (native).

hacker club – Captain of the Dartmouth Hacker Club. We're a group of students that builds apps for the Dartmouth community, like Course Picker (see below).

hackathons – 1st place, HackPrinceton 2012. I plan on attending many more hackathons in the future.

project euler – I've written hundreds of Project Euler solutions in Python, Ruby, Haskell, Go, Clojure, and Scheme. A Python script takes the solution repository and generates one of the most popular collections of Project Euler solutions on the web (zacharydenton.com/project-euler-solutions/).

open source – I have over 30 of my own open source projects on GitHub, and I've contributed to other open source projects like python-readability and beets.

Course Picker

courses.hackdartmouth.org

A web app which lets you search for classes based on student reviews, median grades, and other criteria. Most Dartmouth students use it when shopping for classes. I built the front-end and a scraper to extract information from the course catalog.

whatbetter

zacharydenton.com/whatbetter

A script which automatically converts FLAC torrents on What.CD into all missing formats and uploads the resulting torrents to the site. Over 15,000 torrents have been uploaded with whatbetter so far. In fact, the #1 uploader on What.CD used whatbetter to get there.